

Features & Benefits

- Operating to 67 GHz
- Available in bulk cable or custom cable assemblies
- 047 sized cable
- Ideal for space and time saving installation

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	0.29	Solid silver-plated copper
2	Dielectric	0.92	Solid PTFE
3	Outer Conductor	1.19	Bare copper or ternary alloy plated copper



Electrical

Frequency	DC-67 GHz
Impedance	50 Ω
Velocity of Propagation	70%
Shielding Effectiveness	>110 dB @8 GHz
Working Voltage (DC)	300 V

Mechanical & Environmental

Inside Bend Radius	5mm
Weight	12g/m
Temperature (Operation)	-60~200 °C

Attenuation(Typical@25°C&VSWR=1.0) & Power(VSWR=1.0; 40°C; Sea level)

Frequency MHz	500	1000	2000	4000	6000	8000	12000	18000	27000	40000	50000	67000
dB/100 Meter	80.2	114.1	162.6	232.6	287.3	334.0	414.0	514.3	640.8	795.6	901.1	1063.2
Avg.Power kW	0.067	0.047	0.033	0.023	0.019	0.016	0.013	0.011	0.008	0.007	0.006	0.005

Attenuation at any frequency=[3.5380000×SQRT(FMHz)]+[0.002200×FMHz]

Available connectors

Cable P/N	Connectors	Gender	Connector type	Mounting	Max Freq.(GHz)	VSWR Max
SG047S	1.85mm	Male	Clamp	Standard	67	1.4
SG047S	2.92mm	Male	Clamp	Standard	40	1.25
SG047S	2.92mm	Female	Clamp	Standard	40	1.3
SG047S	SMA	Male	Direct solder	Standard	26.5	1.25
SG047S	SMA	Female	Direct solder	Standard	26.5	1.3

Other connectors available upon request.